STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Source: /Full6	
Date Processed by STIC: 2/7/06	

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO **REDUCE** ERRORED SEQUENCE LISTINGS, **PLEASE** USE THE <u>CHECKER</u> <u>VERSION 4.4.0 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

- 1. EFS-Bio (http://www.uspto.gov/ebc/efs/downloads/documents.htm, EFS Submission User Manual ePAVE)
- 2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
- Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
 U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street,
 Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION SERIAL NUMBER: 09/59/, 632C
ATTN: NEW RULES CASES:	PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE
Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
2Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.
3Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters , instead.
4Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
5Variable Length	Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
7Skipped Sequences (OLD RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped
	Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
8Skipped Sequences (NEW RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000
9Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
10Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
11Use of <220>	Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
12PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
13 Misuse of n/Xaa	"n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



IFW16

DATE: 02/07/2006 RAW SEQUENCE LISTING PATENT APPLICATION: US/09/591,632C TIME: 09:01:23 12 character Input Set : A:\34978a.txt Output Set: N:\CRF4\02072006\I591632C.raw See Feet)

Late. They

we current data 3 <110> APPLICANT: Lindquist, et al. 5 <120> TITLE OF INVENTION: RECOMBINANT PRION-LIKE GENES AND PROTEINS AND MATERIALS AND METHODS COMPRISING SAME 8 <130> FILE REFERENCE: 30554/34978A C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/591,632C C--> 10 <141> CURRENT FILING DATE: 2000-06-09 10 <150> PRIOR APPLICATION NUMBER: US 09/591,632 14 <151> PRIOR FILING DATE: 2000-06-09 13 <150> PRIOR APPLICATION NUMBER: US 60/138,833 14 <151> PRIOR FILING DATE: 1999-06-09 16 <160> NUMBER OF SEQ ID NOS: 70 18 <170> SOFTWARE: PatentIn version 3.3 Does Not Comply ERRORED SEQUENCES Corrected Diskette Needed 429 <210> SEQ ID NO: $\frac{3}{430}$ /426 (ρ . $\frac{3}{211}$) 431 <212> TYPE: DNA 432 <213> ORGANISM: Saccharomyces cerevisiae 434 <220> FEATURE: 435 <221> NAME/KEY: CDS 436 <222> LOCATION: (182)..(1246) 438 <400> SEQUENCE: 3 439 ctcgaggttg aaaagaatag caaaaatctt tccttttcaa acagctcatt tggaattgtt 60 441 tatagcactg aattgaatcg aagaggaata aagatccccc gtacgaactt ctttattttt 120 180 443 agtttttcat tttttgttat tagtcatatt gttttaagct gcaaattaag ttgtacacca 229 445 a atg atg aat aac aac ggc aac caa gtg tcg aat ctc tcc aat gcg ctc 446 Met Met Asn Asn Asn Gly Asn Gln Val Ser Asn Leu Ser Asn Ala Leu 10 277 449 cqt caa qta aac ata gga aac agg aac agt aat aca acc acc gat caa 450 Arg Gln Val Asn Ile Gly Asn Arg Asn Ser Asn Thr Thr Asp Gln 25 325 453 agt aat ata aat ttt gaa ttt tca aca ggt gta aat aat aat aat aat 454 Ser Asn Ile Asn Phe Glu Phe Ser Thr Gly Val Asn Asn Asn Asn Asn 457 aac aat agc agt agt aat aac aat aat gtt caa aac aat aac agc ggc 373 458 Asn Asn Ser Ser Ser Asn Asn Asn Val Gln Asn Asn Asn Ser Gly 461 cgc aat ggt agc caa aat aat gat aac gag aat aat atc aag aat acc 421 462 Arg Asn Gly Ser Gln Asn Asn Asp Asn Glu Asn Asn Ile Lys Asn Thr 70

465 tta gaa caa cat cga caa caa cag gca ttt tcg gat atg agt cac

469

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/591,632C

DATE: 02/07/2006 TIME: 09:01:23

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Output Set: N:\CRF4\02072006\1591632C.raw

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467	_				85					90					95		E
	gtg																517
	Val	Glu	Tyr		Arg	ше	Thr	ràs		Pne	GIN	GIU	GIn		ьeu	GIU	
471				100					105					110			
	gga															_	565
	Gly	Tyr		Leu	Phe	Ser	His	_	Ser	Ala	Pro	Asn		Phe	Lys	Val	
475			115					120					125	_		_	
	gct																613
	Ala		Val	Leu	Ser	Glu		Gly	Phe	Hıs	Tyr		Thr	He	Phe	Leu	
479		130					135					140					
	gat																661
	Asp	Phe	Asn	Leu	Gly		His	Arg	Ala	Pro		Phe	Val	Ser	Val		
	145					150					155					160	
	cct																709
	Pro	Asn	Ala	Arg		Pro	Ala	Leu	Ile	_	His	Gly	Met	Asp		Leu	
487					165					170					175		
	tct																757
	Ser	Ile	Trp	Glu	Ser	Gly	Ala	Ile		Leu	His	Leu	Val		Lys	\mathtt{Tyr}	
491				180					185					190			
	tac																805
	Tyr	Lys		Thr	Gly	Asn	Pro		Leu	Trp	Ser	Asp		Leu	Ala	Asp	
495			195					200					205				
	caa																853
	Gln		Gln	Ile	Asn	Ala		Leu	Phe	Phe	Gln		Ser	GLY	His	Ala	
499		210					215					220					
	cca																901
	Pro	Met	Ile	Gly	Gln		Leu	His	Phe	Arg		Phe	His	Ser	GIn		
	225	•				230					235					240	
	ata																949
	Ile	Ala	Ser	Ala		Glu	Arg	Tyr	Thr	_	Glu	Val	Arg	Arg		Tyr	
507					245					250					255		
	ggt																997
	Gly	Val	Val		Met	Ala	Leu	Ala		Arg	Arg	Glu	Ala		Val	Met	
511				260					265					270			
	gaa		_	_	-				_			_					1045
	Glu	Leu	_	Thr	Glu	Asn	Ala		Ala	Tyr	Ser	Ala	_	Thr	Thr	Pro	
515			275					280					285				
	atg																1093
	Met		Gln	Ser	Arg	Phe		Asp	Tyr	Pro	Val	_	Leu	Val	GIY	Asp	
519		290					295					300					
	aaa																1141
	Lys	Leu	Thr	Ile	Ala	_	Leu	Ala	Phe	Val		Trp	Asn	Asn	val		
	305					310					315					320	
	gat																1189
	Asp	Arg	Ile	Gly		Asn	Ile	Lys	Ile		Phe	Pro	Glu	Val		Lys	
527					325					330					335		
	tgg																1237
530	Trp	Thr	Lys	His	Met	Met	Arg	Arg	Pro	Ala	Val	Ile	Lys	Ala	Leu	Arg	

RAW SEQUENCE LISTING DATE: 02/07/2006
PATENT APPLICATION: US/09/591,632C TIME: 09:01:23

Input Set : A:\34978a.txt

Output Set: N:\CRF4\02072006\I591632C.raw

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	533	ggt ggå tga	aggetgettt	aaaaacaaqa	aaqaaaqaaq	aaqqaqqaaa		1286	
		Gly Gly	55 5						
		agaaggttat a	aaqqqtatqt a	atataggcag a	acaaaaqqa	aaattaaqtq	caaatataaa	1346	
		caaaaatgtc a						1406	
E>		gttaccccaa d		3		, ,		(1427)/5	F2 (
		<210> SEQ'II							26
		<211> LENGTI							
		<212> TYPE:							
		<213> ORGAN		cial seguenc	ce				
		<220> FEATU		-					
		<223> OTHER		I: CUP1 pro	moter				
		<400> SEQUE		·· coll puo					
		ccattaccga		etatacqtqc a	atatgttcat (gtatgtatct	gtatttaaaa	60	
		cacttttgta						120	
		acttcaccac						180	
		tttttgctgt				_		240	
		gagcgatgcg 1	_					300	
		ttgtcagaat (360	
		atatcttctt	_		_	_	_	420	
R		aactgtacaa			augecuecyu	aacagacacc	aagaaaaaca	445	
		_			~ 12				
	3713	2 <210> SEQ 3 3 <211> LENG 4 <212> TYPE	TH: (7239) 07	28/	5-6)				
	3714	2112 TYPE	· DNA	>0(lh) 4/				
	3715	<213> ORGAI	NTSM: Artifi	icial seque	nce				
		/ <220> FEAT		ozur boquo.					
		3 <223> OTHE		N: Vector	containing	chimeric ge	ne		
		<400> SEQUI							
		. gacgaaaggg		cgcctatttt	tataggttaa	tgtcatgata	ataatggttt	60	
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		atttgggaat		_				180	
		aaataaagaa						240	
		atttcaacaa						300	
		gatatacatt			_		_	360	
		tctacacaga		_	_			420	
		aaaggtagta						480	
		atttttctt		_	-			540	
		atttaaatta						600	
		. ggaaatgtgc						660	
		ctcatgagac						720	
		attcaacatt						780	
		gctcacccag						840	
		gettacatcg						900	
		. cgttttccaa						960	
		gacgccgggc						1020	
		tactcaccag						1080	
		gctgccataa						1140	
		ccgaaggagc						1200	
		. tgggaaccgg						1260	
	5,01	. cygguaccyg	ageegaaega	agocacacca	aucgucguge	5050000000	Judgeergea		

RAW SEQUENCE LISTING DATE: 02/07/2006 PATENT APPLICATION: US/09/591,632C TIME: 09:01:23

Input Set : A:\34978a.txt

Output Set: N:\CRF4\02072006\I591632C.raw

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		gctggtttat					1440
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3771	gggagtcagg	caactatgga	tgaacgaaat	agacagatcg	ctgagatagg	tgcctcactg	1560
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		aatttaaaag					1680
		gtgagttttc					1740
		atccttttt					1800
3781	ctaccagcgg	tggtttgttt	gccggatcaa	gagctaccaa	ctcttttcc	gaaggtaact	1860
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		actctgtagc					1980
		gtggcgataa					2040
		agcggtcggg					2100
		ccgaactgag					2160
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		gtcgattttt					2340
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		cccctgattc					2460
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		actggaaagc					2640
		cccaggcttt					2700
		aatttcacac					2760
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		tgtatttaaa					2940
3819	tatacggatg	atttaattat	tacttcacca	ccctttattt	caggctgata	tcttagcctt	3000
3821	gttactagtt	agaaaaagac	atttttgctg	tcagtcactg	tcaagagatt	cttttgctgg	3060
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		taagaaaaac					3300
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		cgtgctgctg					3540
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3841	ctcatcaaa t	taaaggttctt	ctaacagagg	gtttgacgta	gggactgtca	tgtcaatgct	3660
		ggcggcggga					3720
3845	tcaattcttt	aagtcaggta	acaattccca	aggtcaggga	caaggtcaag	gtcaaggtca	3780
3847	aggtcaagga	caaggtcaag	gtcaaggttc	ttttactgct	ttggcgtctt	tggcttcatc	3840
3849	tttcatgaat	tccaacaaca	ataatcagca	aggtcaaaat	caaagctccg	gtggttcctc	3900
3851	ctttggagca	ctagcttcta	tggcaagttc	ttttatgcat	tccaataata	atcagaactc	3960
3853	caacaatagt	caacagggtt	ataaccaatc	ctatcaaaac	ggtaaccaaa	atagtcaagg	4020
		caacagtacc					4080
3857	tggtggtgct	ttttcctcat	tggcctccat	ggctcaatct	tacttaggtg	gtggacaaac	4140
3859	tcaatccaac	caacagcaat	acaatcaaca	aggccaaaac	aaccagcagc	aataccagca	4200

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/591,632C

DATE: 02/07/2006 TIME: 09:01:23

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Output Set: N:\CRF4\02072006\I591632C.raw

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/591,632C

DATE: 02/07/2006

TIME: 09:01:23

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Output Set: N:\CRF4\02072006\I591632C.raw

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E--> 3961 tgtgtcagag gttttcaccg tcatcaccga aacgcgcga

7200 7239 /

off

from Segure 39

09/591,6320

gta aca gct gct ggg att aca cat ggc atg gat gaa cta tac aaa tga Val Thr Ala Ala Gly Ile Thr His Gly Met Asp glu Leu Tyr Lys

225

230

720

240 delete, since ho amend and is shown

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/591,632C

DATE: 02/07/2006 TIME: 09:01:24

Input Set : A:\34978a.txt

Output Set: N:\CRF4\02072006\I591632C.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date L:541 M:254 E: No. of Bases conflict, LENGTH:Input:1427 Counted:1426 SEQ:3 L:541 M:252 E: No. of Seq. differs, <211> LENGTH:Input:1427 Found:1426 SEQ:3 L:747 M:252 E: No. of Seq. differs, <211> LENGTH:Input:446 Found:445 SEQ:11 L:3593 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:39 L:3869 M:254 E: No. of Bases conflict, LENGTH:Input:4500 Counted:4499 SEQ:45 M:254 Repeated in SeqNo=45 L:3961 M:252 E: No. of Seq. differs, <211> LENGTH:Input:7239 Found:7238 SEQ:45